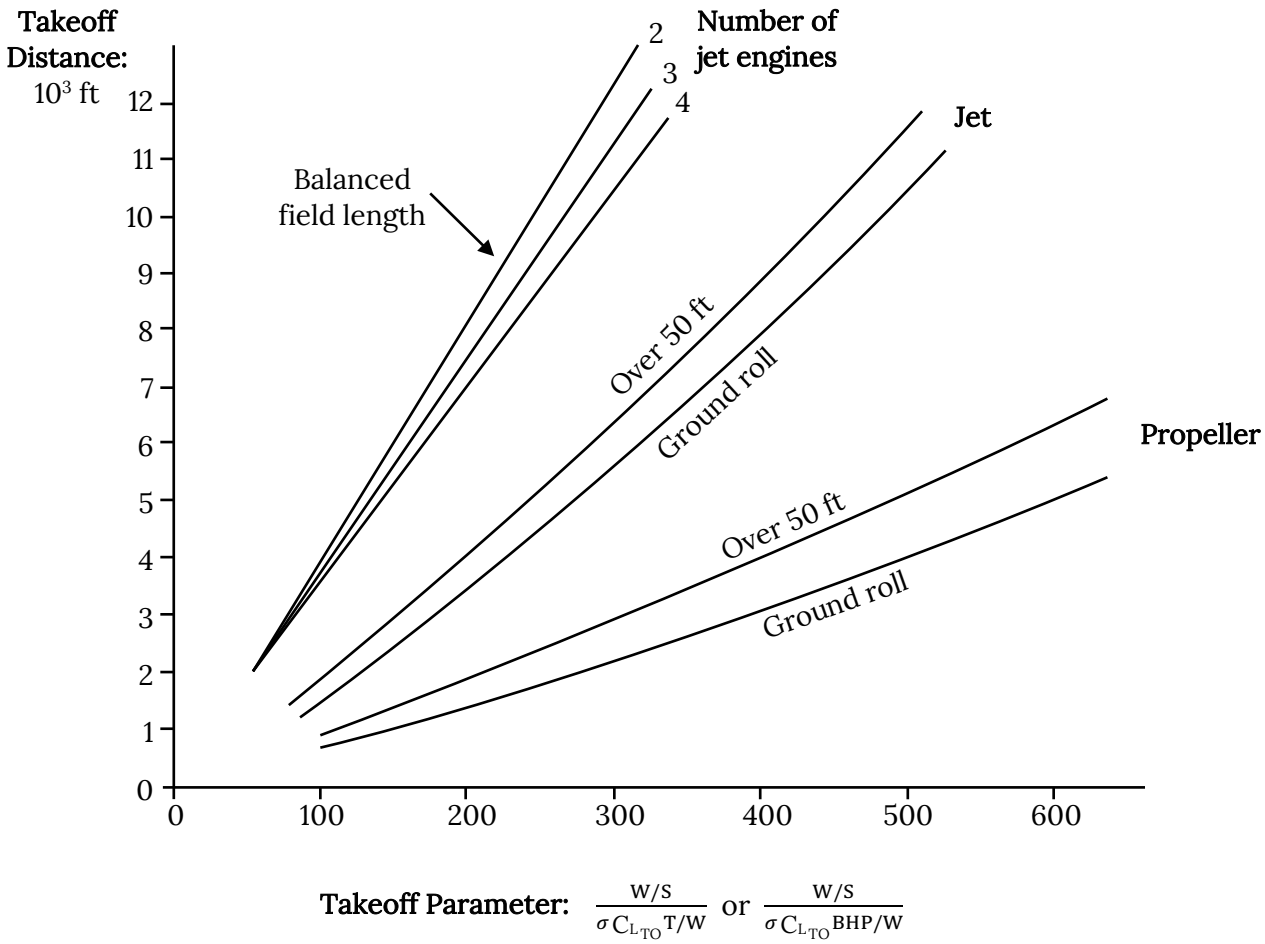
Takeoff Distance: 10^3 ft
12
11
10
9
8
7
6
5
4
3
2
1
0
0
100
200
300
400
500
600
2
3
4
Number of jet engines
Balanced field length
Jet
Over 50 ft
Ground roll
Propeller
Over 50 ft
Ground roll
Takeoff Parameter: $\frac{W/S}{\sigma C_{L_{TO}} T/W}$ or $\frac{W/S}{\sigma C_{L_{TO}} BHP/W}$